



# ORB Report

## Wednesday 2003 March 12

Main topic discussed: Status of Monte Carlo Production (Iain Bertram)

- No MC requests currently being processed.
  - Waiting for mcp14
- New release of mc\_runjob in final testing stage.
- New features:
  1. Allows storage of merged TMBs
    - About 10k per file
  2. Can specify different framework.exe if it is in production area.
  3. Can specify different MC generators such as ALPGEN or VECBOS.
  4. Minimal changes in request structure
  5. Documentation available soon



# Monte Carlo Production Plans

- This week:
  - Start generating Min-Bias overlay events using PYTHIA (average of 0.8/event) using p13.08.
- Next week:
  - Generate mcp14 requests with p13.08
    - Store DST output only.
  - Physics groups will be notified when new request system is ready.
  - **WAIT until Iain gives the word!**
- When P14 released to farms:
  - Reprocess DSTs made with p13.08 through d0trig and d0reco on CAB
  - Store DST and TBMs in SAM



# More on Monte Carlo

- Current production is 700k events/week
  - Does not include CAB
- New farm locations becoming available soon
  - Manchester, TIFR
- Will re-evaluate processing rates in 2-3 weeks
- Steve Muanza is working on pdflib to provide modern version of Parton Distribution Function for p15
- We have not received enough input from ID groups on MC requests
  - Should ID groups have a member on ORB?



# RECO Farm Production

- Current rates of 2.7 million events/day
- Reprocessing of p13.04 runs done
  - Calling it version r13.06.01 to avoid overlap
  - However, use p13.06.01 to query luminosity
- Reprocessed data back to May 14
  - Excluding data from June 18-August 15 due to L1/L2 Calorimeter Event Mixing (Runs 157476-161977)
- Will start reprocessing runs with wrong CFT calibration taken Dec. 19 -Jan.6 (Runs 169521-170008)
  - Should take about 2 weeks, if processing new data also
- Farms usually keep up within 24/36 hours



# More on Farm Production

- Next in line for reprocessing is data taken from 19 April - 14 May 2002
  - About  $2.7 \text{ pb}^{-1}$  and 10 M events
- B physics group would like the data from June 18 - August 15 reprocessed
  - About  $8.2 \text{ pb}^{-1}$  and 33 M events
  - Not clear how to keep these out of other groups data samples
- If p14 becomes available, do we reprocess older data in DSTs to capture better tracking algorithm?



# SAM Request Pages

- New version allows searches based on Monte Carlo meta data

[http://d0db.fnal.gov/sam\\_data\\_browsing/mcRequestQuery.html](http://d0db.fnal.gov/sam_data_browsing/mcRequestQuery.html)

- Do not use abbreviations in params section

ORB meeting for March 26 is cancelled.  
Next ORB meeting will be April 9.